



"Our Home, our Country, and our Brother Man."

### AMERICAN POMOLOGICAL SOCIETY.

We have received a report of the third session of the American Pomological Society. This session was held in Boston on the 13th-15th of last September, and the proceedings were reported by Alexander C. Pelton. It contains over 250 octavo pages, and contains a valuable fund of information to those who are interested in the cultivation of good fruit.

We have read the address delivered by Hon. Marshall P. Wilder, with much pleasure. The ideas advanced by him are worthy of careful consideration and their application to fruit growing is desirable. He recommends "the production of new varieties of fruit adapted to particular localities, or to general cultivation."

This is an important suggestion. We all know that the way to obtain new varieties of fruit is by sowing seed, but few, if any, in America, have ever done this solely with a view of obtaining new and valuable varieties. It is true that, in many places, farmers have planted the seed of apples, for instance, for the purpose of obtaining an orchard, and when the trees have become large enough for setting out, have set them out, and in former times, in this State, let them stand ungrafted, little caring what the quality of the fruit was. The apples would make cider, and that was all that was wanted of them. Many of these neglected orchards have produced valuable new varieties, but a knowledge of the existence of these good varieties has been attained rather by accident than by any premeditated design in producing them, or by any systematic research for them.

By sowing seeds and hastening the maturity of the trees produced by them, good fruits thus produced may be secured, and the poor fruit discarded, and thus much valuable time saved.

But what sort of seed is preferable? Mr. Wilder says he is confirmed in his opinion, that the best means of producing new and excellent varieties, suited either to general culture or to particular localities, is to "plant the most mature and perfect seed, of the most hardy, vigorous and valuable sorts."

This he considers best on the principle that like produces like, and because, as Dr. Lindley remarks, "in every kind of created thing, be it man, or beast, or bird, the mysterious principle called life, remains during the whole period of existence, what it was at first."

We shall glean more hints from this excellent address for our next number.

### THE GREENING OF A SWEET STOCK.

Those who have had experience in grafting, are aware that the stock has some influence on the fruit of the scion, which is put in, but some varieties are more influenced than others. We have noticed that the Rhode Island Greening is often changed more or less in this way.

In looking over the report of the doings of the American Pomological Society, just published, we met with the following statement made by John B. Eaton, one of the New York committee, respecting the greening.

I have observed, says he, the Rhode Island Greening to change its character much when worked on a sweet stock. It becomes more highly colored, being often a beautiful yellow, with a red cheek, and loses much of its acidity, becoming, however, more tasteless when kept late than is usual. The difference is so marked that it has been considered a distinct variety. It is, however, beyond a doubt, occasioned by the influence of the stock, as has been proved by experiment.

To CURE GARGET IN COWS. Mr. C. R. Vaughan, of Norridgewock, informs us that he has cured a severe case of garget in one of his cows by the use of sulphur. He gave about three pounds of sulphur to the cow in the course of three days, in bran. It effected a complete cure, and although she was badly affected with this disease previously, she had no signs of it since. He says his stable did not smell very well during its operation, but it soon passed away. This can be tried by any of our farmers who have cows troubled with this disease. It will be seen that Mr. V. did not administer it in homoeopathic doses.

### BLACK KNOT-QUERY.

Mr. Editor.—Can you give any information of the cause and remedy for the black knot on plum trees?  
J. W. K. N.

NOTE. No, friend N., we cannot give you any true indisputable information as to the cause or the remedy for the black knot on plum trees. We can give you lots of theories, conjectures, and probabilities, in regard to it. We have published heretofore all that has been offered by Horticulturists and those who have made some study of it. We shall continue so to do. We have just received an article from T. W. Harris of Cambridge, on it, in the report of the American Pomological Society, which we shall copy from as soon as we have room. A series of careful experiments are much needed on this subject, and if some of the Societies would furnish funds and set some well-qualified person about it, much good would probably result from it.

STABLEING COWS. To prevent cows from lying in their manure when in the stable, says a correspondent of the Albany Cultivator, have a gutter dug immediately behind the cows, 6 inches deep and 16 inches wide. If cows are fastened with yokes, they need about 4 feet 9 inches to stand upon. By having the stalls long enough you have a walk back of the stalls, which is convenient for walking on, setting rails, etc.

### For the Maine Farmer.

#### SCAB IN SHEEP.

Mr. Editor.—I noticed in the Farmer of the 7th inst., an enquiry by C. R. L. of Bethel in regard to the scab in sheep. I will give him my experience if it will do him any good. Some few years ago I had a small flock of sheep that was infected with this disease which I cured by rubbing on tobacco juice, not so thoroughly as the Editor describes, but on every part where I could discover the disease. I then procured one pound of sulphur which I mixed with Indian meal (as sheep will not eat it clear), and placed it in a trough where the sheep could have free access to it. If this is worth any thing to C. R. L. he is welcome to it. D. WEMYTH.

New Gloucester, Dec. 28, 1854.

#### MR. PROCTOR'S ADDRESS.

[We continue, this week, our extracts from Mr. Proctor's Address at Biddeford.]

PLOWS AND PLOWING. When invited to visit the County of York, I inquired of a friend who had been there, what there was worthy of special notice in its agricultural operations. He remarked that which most arrested his attention was the want of completeness in the form and use of the plow and other implements of husbandry, on the farms—a deficiency that strikes at the root of all successful culture. How may we expect the best of crops, if we do not prepare the ground for their growth? How can this be done, without the use of implements best suited to the purpose?

Plowing matches, first attempted in this country, I believe, at Brighton, under the auspices of the Massachusetts Society for the promotion of Agriculture, about forty years ago, have become an indispensable accompaniment of all our shows. In these there is something to gratify the curious, speculative taste of the multitude; something to awaken a feeling of excitement, akin to intoxication. This may be well, to a certain extent, but the gratification of such excited curiosity is not, in itself, sufficient. Some permanent lessons, of practical utility, should accrue from these exercises,—such as the determination of the form of plow best fitted for use; of the power best suited to be applied; of the dimensions and the position of the furrow slice; and many other things distinguishable by the eye of the expert, too numerous to be specified. The same remark is applicable to implements for planting seeds, for pulverizing the soil, for gathering in crops, for cutting and making hay, &c., &c.

Within the last thirty years I have been present, each year, at several of these contests for victory, in some of which more than forty teams of every description have been engaged, from the single horse to the weighty team of four large oxen, and from the boy of fifteen holding the plow to the veteran of seventy,—in all of which variations there was something to be learned. I particularly remember witnessing a plowing match in the county of Worcester, where an ex-Governor was chairman of the committee for awarding premiums, when a boy from Sutton, only 15 years old, obtained one of the first premiums awarded. This circumstance aroused his ambition that two years afterward he was employed on one of the best farms in Roxbury, with wages double what he was then paid to other lads of his age. Will it be said that no benefit accrued to this boy from his skill displayed in holding the plow, and the notice taken of it by the intelligent chairman of the committee? I remember to have remarked, at the time, that, when boys could work in that manner, it was time for men to leave the field.

On looking at the reports on plowing in this county I find the number of teams engaged has nearly doubled since. Allow me to say that this is not more than one-fourth part of what there has been in my own county, not so large as this. There we have always found this exercise to awaken more interest than any other part of the show, and it still continues to do.

By way of illustration of the benefits accruing, let me say that three years since, when the exhibition was in the city of Salem, and the plowing on land valued at \$1000 per acre, His Excellency Gov. Boutwell was there, and witnessed, for the first time, the operation of the sod and subsoil plow, that cuts two furrow slices at the same time, throwing one directly upon the other, leaving the ground nearly as completely pulverized as though it had been cultivated for a year, and much better fitted, for many kinds of crops, than it could otherwise be. The consequence has been that this form of plow has been brought into use in almost every town, and on many of the best farms in the county. Many of those who have used it have said that they would sooner pay the price of such a plow than to have their lands plowed with any other, for nothing. Such is my estimate of its value, after much observation of its use. It is worked with as little power, and held with more ease and convenience, than any other.

MOWING MACHINES. Mowers of various descriptions are fast coming into use. The present season I have seen several of Ketchum's mowers, operated by two horse power, in use, cutting an acre of grass containing two tons, in single hour. If I do not mistake, an improved form of this implement is destined to afford much relief to the labors of the farmer. A friend of mine, Mr. R. S. Pay, of Lynn, has offered a bounty of one hundred dollars to the person who shall introduce a mower that will do the most and best work in the season of 1855, in the county of Essex. Without question, some Yankee will be looking after this bounty.

PROPERTIES OF GLASS. It is a curious fact in science, that glass resists the action of all acids except the fluorine; it loses nothing in weight by use or age; it is more capable than all other substances of receiving the highest degree of polish;—if melted several times over, and properly cooled in the furnace, receiving a polish not much rivaling the diamond in brilliancy. It is capable of receiving the richest colors produced from gold or other metallic coloring, and will retain its original brilliancy of hue for ages. Medals, too, embedded in glass, can be made to retain forever their original purity and appearance.

### KENNEBEC AGRICULTURAL SOCIETY.

#### REPORT OF COMMITTEE ON CROPS.

To the Trustees of the Kennebec County Agricultural Society:

GENTLEMEN:—The committee appointed by you to award your premiums on crops to the successful competitors, have had an easy task. Owing to the severe drought of the past season, the farmers in this section finding their crops much diminished in quantity, and forgetting that this diminution acted upon all of them relatively, have not entered for your premiums in such numbers as usual.

We regret this very much, for if each farmer could not boast of so ample crops as common, the facts elicited by statements of competitors, would have been valuable for showing the comparative effects of the drought and its peculiar action upon the farming interest.

We look upon the accumulation of such facts as among the most valuable results of the system of premiums, and hope that in future farmers will not hold back from giving them, whatever may be the character of the season in which the crop is produced.

INDIAN CORN. Only one claimant appeared for your premiums on the corn crop. This was by John May, Esq., of Winthrop, who never fails to "acknowledge the corn," crop or no crop.

You will see by his statement, which we herewith annex, that he raised one hundred and forty-five bushels of ears of sound corn on an acre, besides "some pumpkins." It is rather an indefinite way to ascertain the exact amount of shelled corn, by measuring the bushels of ears raised, but according to the old rule of allowing two bushels of ears to make one bushel of shelled corn, (which they will not always do,) Mr. May rejoins in seventy-two and a half bushels of corn to the acre. On this crop he calculates (although he asks more for his corn than we should be willing to give), a profit of \$56 to the acre, which will do very well these hard times. We award to Mr. May, your first premium on Indian corn.

WHEAT. We were disappointed at not finding more competitors for your premium on the wheat crop, knowing that this crop was generally very good in this vicinity. Notwithstanding this, only one solitary farmer dared to come forward as a claimant for the premiums offered. This was Mr. Hiram Craig, of Augusta, who entered his crop of winter wheat.

"The amount of wheat per acre was nothing very extra, but the wheat itself, judging from a sample exhibited, was excellent. It will be seen by his statement that he obtained but 103 bushels to the acre. After taking all the circumstances of hard winter and dry summer into consideration, we concluded to give him your second premium for winter wheat.

No body dared make a claim for your premium on the other crops. The drought seems to have pinched their courage as well as their crops, and rendered them bashful.

COMPOST. But one claimant appeared for your premium on compost manure. This was Horace Parlin, Esq., of East Winthrop. Mr. Parlin was a member of the committee, but when this subject came up for consideration, he invited himself to "step out" leaving his vouchers for the rest of the committee to act upon.

Your offer of premium is for 10 cords of compost. It will be seen by Mr. P.'s statement, that he made more than that by a very simple yet efficient process, and one which any farmer who has access to manure can easily follow. He had 45 loads of 35 bushels each, which makes 1575 bushels.

Some people reckon 96 bushels of manure for a cord, but we think 100 bushels would come nearer to it; and allowing that amount of bushels per cord, he had a fraction over 15 cords. We award your premium on compost to Mr. Parlin. Respectfully submitted,  
E. HOLMES, per order.

#### Statements of Competitors.

COMPOST.—MR. PARLIN'S STATEMENT. In making my statement, it may be well to give the construction of my stable and manure shed. My manure shed is 46 by 16 feet, covering the space between the stable door and the back of the shed and the whole cattle yard is clay water tight. My manure fork is in the usual form, a double bottom where the cattle stand, with a space between them lower by the thickness of the second floor. My cattle are stabled every night, summer as well as winter.

The material used is muck dug a year before using and decomposed with lime slaked in brine strong as can be made, four bushels lime to a cord of muck. A quantity of this muck is thrown behind the cattle at night to take up the urine, and thrown out in the morning with their manure. About once a week we shovel these heaps to the back of the shed and cover it with muck, when it heaves and in a short time is fully prepared for use. If it remains too long in the heap it will fire-fog.

I have also a space under my stable floor about three feet deep, which we fill with muck and exchange it once a year. The urine I consider of equal value with the solid excrement. By this method I have made, from two oxen and three cows, forty-five loads of about thirty-five bushels each, from about the first of June to the first of November, of compost equal I think to stable manure. HORACE PARLIN.  
December 18, 1854.

CORN.—MR. MAY'S STATEMENT. I enter for premium on Indian corn. Having been the recipient of premiums on crops for several years, peradventure the new recruits who solicit an award from your hands may deem me somewhat obtrusive in again entering the arena; but agriculturists, like old stagers, silver grays or hunched politicians, never surrender so long as flame and fire dazzle in their eyes—a little credit fills the world that we yet live, while a little more cash enables us to square our obligations.

"One bushel contains 2150 2-5 cubic inches; let the farmer's boys dig out the exact number of bushels in a cord (128 cubic feet), some of these long over-loads."

tions to the printer, and as friend Hanson says, is good for some eyes. This I offer for my excuse, asking you to "forget my excuses."

The ground on which my crop grew is an elevated side-hill—has yielded more crops than the claimant has seen years—in quantity one acre of a deep gravelly loam—the soil broken in autumn of 1853—depth of furrow eight inches—dressed with ten kinds of various kinds of manure, usually made about the barn and yard, in spring of 1854, and on and harrowed in with horses—planted about the middle of May, with seed raised by myself, mostly of the twelve rowed, called by some the Haines corn—cultivated between the rows—hills three feet asunder one way and two feet and a half the other—hoed twice, once in June and again the first of July—put on a handful of ashes to the hill—topped the stalks the first of September, cut up, loaded in, hauled and cribbed in the month of October, numbering one hundred and forty-five bushels of good, sound, merchantable corn, together with two cart loads of pumpkins.

Account of Crop.  
145 bush. ears at 60c per bu., \$87 00  
2 loads of pumpkins at \$2, 4 00  
Fodder, 12 00—\$103 00  
10 cords manure, at \$2, 20 00  
Ploughing and harrowing, 7 00  
Planting, hoeing & harvesting, 19 00  
Ashes, 1 00—47 00  
\$56 00

Profit, \$56 00

Yours, respectfully, JOHN MAY.

Winthrop, Dec. 12th, 1854.

I hereby certify that I have worked on the farm for Mr. John May the past season, and that the above statement is correct.

BENJ. F. MAXIM.

WHEAT.—MR. CRAIG'S STATEMENT. Having had some experience in raising winter wheat, I send the following: I have sowed on a burn. I cut the wood off in the winter, and burnt the brush in September. Sowed one and a half bushels on about one and a half acres. Cut the wheat in August, and threshed it in September. Had sixteen bushels. HIRAM CRAIG.

### NORTH BROOKSTOCK AG. SOCIETY.

#### REPORTS OF COMMITTEES.

##### On Horses.

The committee on horses have attended to the duty assigned them, and report: The whole number of entries was 58. Three only were made on stallions, one by Daniel Chandler, one by David Currier, and one by Freeman Hayden. We award the Society's first premium to the horse presented by David Currier, the second to the one presented by Daniel Chandler. Your committee do not feel authorized to recommend the other horse as a stock-getter; therefore the third premium is unappropriated.

There were eight entries for the premiums on breeding mares. The first premium is awarded to Jacob Harrison of Letter H, the second to Richard Norris of Fort Fairfield. Your committee are aware that the mare taken alone would not warrant such a decision; but the colt that followed the mare, together with the two years old colt presented by Calvin Taylor, were unmistakable signs that she is a good breeder. The third premium we award to Wilder Stanton of Salmon Brook.

There were five entries made on three years old colts—four only were brought forward for examination. We award the first premium to Isaac F. Ellis of Maple Grove. We found some difficulty in agreeing upon the second premium, but a majority of the committee decided to give it to a large colt presented by Andrew Scott of Letter G; the third to Sam'l Lamson of Presque Isle, the fourth to Joel Bean of Letter G. The last two colts have been worked since they were two years old, and what they lack in size is made up in other good qualities.

Eleven two years old colts were entered for premiums; there were several nearly of a size, well made up, and will doubtless make valuable horses. The first premium is awarded to Silas Ireland, the second to Calvin Taylor, the third to David Foster, all of Presque Isle.

There were eleven one year old colts entered, but the committee found no difficulty in selecting one for the first premium, for while he is superior in size he does not lack for other good qualities. The first premium is awarded to Benj. D. Eastman of Fort Fairfield, the second to Sumner Whitney of Presque Isle.

The committee were unfavorably situated for judging the merits of this class of horses, but have decided to award the premium to Jerro Whitney of Presque Isle.

Five spurs matched horses were presented, and the premium is awarded to John Sterling of Fort Fairfield.

Eight entries were made for business horses. The difficulty of deciding upon the "business horse" by only seeing them move for a short distance is well understood; and the committee not only took into consideration what the horses did, but what their general appearance would warrant us in supposing them capable of doing. The first premium is awarded to Dan'l Chandler, the second to George B. Wellington of Presque Isle, and the third to Isaac F. Ellis of Maple Grove. There were other horses brought on to the ground and drove, that were not entered for a premium. Your committee found it difficult to do justice to the several animals brought before them, as the rain made a hasty examination necessary, and they had to be governed by the general appearance of the animals.

C. H. ELLIS.

##### On Bulls.

The committee have attended to the duty assigned them, and report: Best bull, \$4.00, to Joseph Blake of Letter G; second do., \$2.00, Joseph Knight of Presque Isle. Best one year old bull, \$1.50, J. W. Haines, Maple Grove; second do., \$1.00, Benj. Rackliff of Presque Isle. Best bull calf, vol. Maine Farmer, Jos. Blake, J. N. TREWORTHY.

##### On Oxen and Steers.

The committee on oxen and steers have attended to their duty, and ask leave to report:—Although a great number of fine oxen were on the ground, but ten pairs were presented to the committee for trial and inspection. They were all good oxen, and their performances were creditable to their managers, and in some cases it was difficult to determine a superiority. The committee, however, have agreed to award premiums as follows:—first premium on working oxen to Benj. Rackliff, second to James Cloudman, third to Isaac F. Ellis, fourth to Sumner Whitney.

There were more superior three and two years old steers presented than premiums to be awarded. Well aware of this fact, the committee awarded the first premium on three years old steers to Sumner Whitney, second to J. W. Haines, third to Bradford Cummings. The first premium on two years old steers to J. W. Haines, second to Joseph Blake, third to B. Cummings. The first premium on one year old to D. G. Palmer, second to Joseph Blake. CYRUS GORDON.

On Cows and Heifers. Your committee have attended to the duty assigned them, and ask leave to report as follows. The whole number of animals entered for their examination was sixty-nine; of that number thirty-eight were cows, which, in point of stock and milk qualities, would not, in the opinion of your committee, suffer in comparison with an equal number from any other section of the State. Sixteen of the number were entered for stock. Your committee, with the exception of the chairman, were unanimous in the opinion that the premium for best stock cow should be given to B. D. Eastman. All were of the opinion that the second should be given to Joseph Blake, the third to D. G. Palmer, and the fourth to J. W. Haines. Sixteen of the number were entered as milk cows. Your committee were obliged to be governed more in making up judgment upon this class of stock by written statements than they were the former. If they have erred, the error is in their judgment on the comparative evidence before them, and not on the stock itself. Your committee would here suggest the propriety of weighing the milk as well as the butter, and of furnishing evidence as to the amount. We awarded the first premium to E. S. Fowler, the second to Jonathan Hopkinson, and the third to Joseph Blake. The ten best cows from one plantation were found to be from Letter D, the owners of which were J. W. Haines, one, Jonathan Fowler, one, B. D. Eastman, one, Jonathan Hopkinson, one, Daniel G. Palmer, one, Addison Powers, one, B. Cummings, one, and Stillman Gordon, one. The second best ten cows from one plantation were from Letter G, and owned by Joseph Blake, five, John Smith, two, Elmswood, two, and V. Chandler, one. Of the seven two year old heifers entered, although several were splendid animals, the committee were not at a loss in determining at once that the first premium should be awarded to Joseph Blake, they also decided to give the second to Alphonse Rogers. Of the nine yearling heifers, the committee decided that one of three presented by B. D. Eastman, entitled him to the first premium, and the second should be given to Hiram Harrison. Of the four heifer calves, the first premium should be awarded to J. W. Haines, the second to Sumner Whitney. There were presented for the examination of your committee three very fine three years old heifers, and we could see no good reason why this class of stock should be left out in the cold unprovided for in the premium list. Therefore we take the liberty to invite the trustees to award to J. W. Haines a first premium, J. Hopkinson a second, and Hiram Harrison a third, corresponding in proportion to other premiums.

Believe us, gentlemen, when we say that we have performed the duty assigned us according to the best of our judgment, the most of which duty has been performed under very unfavorable circumstances, amidst rain and mud, but we submit this report with the hope of general satisfaction, from a conviction of our sincerity. B. D. EASTMAN.

##### On Sheep.

The committee on sheep report there were six entries on ewes, and seven on bucks. Best buck, \$4, John Stirling, Letter D; second, \$2, Ivory Harrison, Letter G; third, \$1, William Kinnabell, Presque Isle. Best six ewes, \$3, E. S. Fowler, Letter D; second, \$2, Silas Pomroy, Letter G; third, 1 vol. Maine Farmer, Benj. Rackliff, Presque Isle. E. S. FOWLER.

##### On Swine.

The committee on swine, having attended to the duty assigned them, ask leave to report. There were but three competitors for premiums on swine, viz: J. W. Haines, of Maple Grove, C. H. Ellis and Jerro Whitney, of Presque Isle. We award the first premium on hogs, \$3.00, to Jerro Whitney, and the second, \$1.50, to C. H. Ellis, of Maple Grove. Best breeding sow and specimen of stock, first premium, \$3.00, to Jerro Whitney, second to C. H. Ellis. Best three pigs, Jerro Whitney, Presque Isle. DAVID T. ADAMS.

##### On Town Teams.

The committee on town teams have attended to the duty assigned them, and report as follows. Four teams were entered for premiums, one from Letter D, one from Letter H, one from Letter G, and one from Presque Isle,—all good cattle, and worthy of premiums. Your committee were of the opinion that the first premium should be awarded to the owners of the team from Letter G, the second to the owners of the team from Presque Isle.

BENJAMIN RACKLIFF.

[The remainder of the reports will appear next week.]

ROLLERS. Every farmer should provide himself with a roller. Where grass lands have with the frost, and protrude the roots of the grass, thereby producing an uneven and unsightly surface, greatly to the hindrance of the mower, the action of this instrument is indispensable. It crowds down the elevated tufts, and thereby insures a more speedy and vigorous vegetation, and enables the scythe-man to cut close, and with the greatest ease.

Germanstown Telegraph.

COLD WATER AT MEALS. Dr. Hall says:—

"I set it down as a clearly established fact, that a glass or more of cold water, drunk habitually at meals, or soon after, is a pernicious habit, even to the most healthy."

### THE FROST SPIRIT.

BY J. C. WHITTEY.

He comes, he comes—the Frost Spirit comes!  
You may trace his footsteps now,  
On the naked woods and blasted fields,  
And the brown hill's withered brow;  
He has eaten the leaves of the gray old trees,  
Where the pleasant dream came forth,  
And the winds that follow wherever he goes  
Have shaken them down to earth.

He comes, he comes—the Frost Spirit comes!  
From the frozen Labrador;  
From the icy bridge of the northern seas,  
Where the white bear wanders o'er;  
Where the fisherman's sail is stiff with ice,  
And the luckless forms below  
In the sunless cold of the atmosphere  
Into marble statues grow.

He comes, he comes—the Frost Spirit comes!  
And the quiet lakes shall feel  
The torpid touch of his glazing breath,  
And the ring of the skater's heel;  
And the streams which danced on the broken rocks,  
Or sang to the leaping grass,  
Shall hush again to their winter chain,  
And in mournful silence pass.

He comes, he comes—the Frost Spirit comes!  
Let us meet him as we may,  
And turn with light of the parlor grate  
His evil power away;  
And gather closer the circle round,  
When the fire-light dances high,  
And laugh at the shriek of the leafless fied,  
As his sounding wings go by!

### DEEP CULTURE AND IRRIGATION.

MESSRS. EDITORS.—Some persons suppose that the water used in irrigation must be poured upon the plant, or made to overflow it, or at least overflow the ground; whereas, the water should pass up through the soil by means of capillary attraction, thus supplying moisture in nature's own way, and in nature's own quantity. It is true that showers are beneficial on the leaves occasionally; but the greater portion of the water soaks into the soil, to be returned to the plant as it needs it by the capillary tubes.

I have a piece of ground of about two acres, on which I have been making some experiments the past season, having a stream of water from a spring passing through it. I plowed the ground (which was sod) in May last, into lands ten or twelve feet wide, and four furrows deep, by throwing each successive furrow on the top of the last, thus placing the sod at the bottom and the mellow dirt on the top, and breaking it up near twenty inches deep. By the way, I think much of this mode of sowing, as mine was all done with one pair of small horses. The dead furrows or ditches between the different lands were cleaned out with the hoe, and were filled with water at such intervals as it has been found necessary during the summer for the purpose of irrigation. The water was not permitted to overflow or run off, but settled into the soil, and supplied the plants by capillary attraction.

The result has been very satisfactory. All kinds of roots are surprisingly large and beautiful; and notwithstanding, the season has been so dry that nearly all the gardens in the town have been ruined with the drought, as well as many trees killed, still there are beets on these beds that will measure over two feet in circumference, and nearly as long, with carrots, parsnips and other vegetables in proportion.

One square bed of strawberries, set in hills eighteen inches apart, and transplanted about the middle of May last, produced more than half a bushel of berries that we kept an account of, besides what were eaten from the vines and destroyed by the birds. Some of the berries measured three and a half inches in circumference.

From one bed that contained nine square rods, or one-eighth of an acre, have been sold about \$60 worth of vegetables during the summer. Besides the quality of the vegetables has not been inferior to the quantity. Vegetables grown quickly, and without being retarded by drought, are far more healthy and palatable. Kalamazoo, Mich. H. G. BUCKLEY.  
[Ohio Cultivator.]

### GEOLOGICAL SURVEY OF NEW JERSEY.

We learn from the Newark Advertiser that the corps under whose management the New Jersey State survey has been progressing, have suspended operations for the season. Their researches during the past summer have been carried on principally in the counties of Sussex and Monmouth, and have resulted in some valuable discoveries. In Sussex, particularly, exhaustive stores of white limestone have been found to exist, equal or superior in quality to that of Rhode Island. Slate, and hydraulic cement, or water limestone, are abundant. Every variety of iron ore has been discovered. Kaolin, or China clay, has been found, of quality superior even to the imported. This is the first kaolin found in America. The substance is used in paper making, card glazing, and for the manufacture of bricks, tiles, and terra cotta ware. A number of interesting caves have been discovered in the limestone formation, some of which are of considerable extent.

Among the most valuable of all the discoveries is that of numerous beds of shell marl, one of the best of fertilizers. An idea of their value may be realized from the fact that lands overlying them, which a few years since sold for a mere nominal price, are now worth \$3000 an acre. The farmers, who a short time since were skeptical as to the value of science, are now among its firmest friends, and the impetus which the survey has given to agriculture is such that agricultural societies have been recently formed in almost every county of middle and south New Jersey. [Boston Journal.]

### PRET ROT.

In answer to an inquiry, which appeared in a late number of the Wool Grower and Stock Register, we copy the following from Randall's Sheep Husbandry.

"This is a disease of the skin as the name implies. It causes a premature falling off of the fleeces in the spring of the year. It is produced by exposure during the winter, and low condition—the latter principally.

"Preventive. Good shelters and good keeping. Let the wool fluids be kept healthy and abundant, and there will be no danger of any attack from this disease."

### DOMESTIC RECEIPTS.

SELECTED FROM VARIOUS SOURCES.

A GOOD SALVE. A friend who has tried it gives us the following receipt: Roll hemlock bark until you obtain its strength, then strain the liquor and evaporate down to the consistency of molasses; to this add an equal part of lard. This is valuable for chapped hands, lips, &c. (Original.)

NICE PANCAKES FOR SUPPER. These are made of eggs, flour and milk. The just proportions are one table spoonful of flour to each egg. To make small pancakes, beat a couple of eggs thoroughly, and add sweet milk. Then take a couple of table spoonfuls of flour, work into a thin paste and ductile batter by adding the milk and eggs, and a little salt. Grease the pan with a piece of sweet lard or butter, and stir briskly to prevent adhering to the bottom. When the under side is sufficiently browned turn it. Leave the cakes folded, with sugar or honey and butter between the folds, or sugar alone. If this is found to be too solid, add more eggs, and use less flour. A slight sprinkle of grated nutmeg will be an addition.

FRUIT IN JELLY. Put into a basin half a pint of clear calf-foot jelly, and when it has become stiff, lay in a bunch of grapes, with the stock upwards; over this put a few lime leaves, and fill up the bowl with warm jelly; let it stand until next day, and then set the bowl in hot water, up to the brim, for a minute; then turn out carefully on a dish.

QUINCES FOR THE TABLE. We know from personal observation, that few persons are acquainted with the best method of preparing quinces for the table; it is simply this:—Bake them, remove the







**GREAT BARGAINS AT  
ROSEHORTON'S**

If you would like to buy Clothing, Cloths, and Furnishing Goods twenty-five per cent. cheaper than they have been

**DAILY TO WATERVILLE**, leaving  
Belmont every day, at 2 o'clock A. M.  
Arriving in Waterville in season for the 11  
o'clock train of cars for Portland and Bos-  
ton.

**RETURNS**—Will leave Waterville every day at 11 o'clock,  
or on the arrival of the cars from Portland, passing through  
CHINA, ANDOVER, FARMINGTON and KEENE.

Through Tickets sold at Belmont for Boston and Portland.

	to Portland from Belfast to Waterville,	\$2 00
	" " " " " " " " " " " " " "	\$ 25
	" " " " " " " " " " " " " "	\$ 50

**Freedom Accommodation—Daily.**

Leaves Freedom every day at 7 o'clock, for Belfast.  
RETURNS—Leaves Belfast every day at 2 o'clock.

**Mall Line between Augusta and Belfast.**

Leaves Augusta every day at 4 P. M., or on the arrival  
of the cars from Portland.

27th of each  
Monday fall  
to the Nicara-  
ra and transpo-  
se, with the  
ADE, CORON-  
NATHAN,  
acific termi-  
line con-  
Bangor and Rock-  
land, every day.  
Through Tickets sold for Portland and Boston.  
FARE—To Boston, \$5 25  
" " Portland, 2 25  
" " Augusta, 1 00  
MORSE & MITCHELL, Proprietors.  
Augusta, December, 1864.

**MAINE INSURANCE COMPANY,**  
Augusta, Maine.  
President—JOHN L. CUTLER, Augusta.  
Directors.  
Samuel Cony, Augusta. | John M. Wood, Portland.  
George W. Stanley, " | Charles Jones, " .  
Darius Alden, " | Sam'l P. Shaw, Waterville.  
Joseph H. Williams, " | John B. Leary, Yassabrook.  
THIS Company was incorporated in 1853, and the amount of capital required by the charter has been taken by

This Company is now ready to issue Policies, and will insure against all the usual fire risks, not exceeding the amount of \$5,000 in any one risk.

throughout  
ation to the  
and insalubrious  
or Creed  
ny sunshine  
were thereby  
acter which is  
ition among  
a success not

JOSEPH H. WILLIAMS, Sec'y.  
Augusta, Aug. 24, 1864. 3708

**Monmouth Mutual Fire Ins. Co.**

THE undersigned hereby gives notice that he will be at the office of said Company, at Monmouth Centre, on the last three days of every week during the year, for the transaction of business. Office hours, from 9 A. M. till 12, and

...ed may be  
whatever is  
is, or Anglo-  
to determine  
subject bound  
dual rational  
in the broad  
imperative

ords at the office, can do so on any business day of the week.  
WASHINGTON WILCOX, Sec'y.

Dec. 22, 1924. 1

---

**TWENTY-FIFTH THOUSAND  
NOW READY.**

*No book of modern times by an UNKNOWN AUTHOR,  
has of modern times by an UNKNOWN AUTHOR.*

period, as  
**IDA MAY.**  
SEVEN Cities claimed the birth-place of Homer—an equal number of conjectures have been started as to the residence of the author of the *Iliad*. **The Secret is not out!** The interest in the book continues to increase. The touching story of the heroine's sufferings and final triumph, will be read at every fireside. And to those who

Price \$1.25. **STANWOOD & STURGIS, Augusta.** **0w1**

**MRS. PAGE,**  
**Tencher of Music, Singing, Piano Forte, &c.**  
**TERMS.—From \$5 to \$5 per quarter.**

**Mrs. W. K. WESTON, D. C. STANWOOD, Esq., Rev. W. A. P.**

---

DILLINGHAM.  
Augusta, Dec., 1864.                      \*Sm

## HAIR WORK.

FOR SALE by the subscriber, Ladies' and Gentlemen's  
*Tonsure half Wig, and Top Pieces, Frisette Curle, Bands  
of Long Hair, &c. Clean, soft, and elaborately finished. Prices*

OLD World  
rival Inter-  
markets. Our the price of  
and selling

exchange.  
Three doors north of the Hallowell Cotton Factory, sign of  
the Golden Ball. 40tf

**G**REAT BARGAINS IN DRY GOODS, at  
KILBURN & BARTON'S.

Weekly and  
br of suits

**T**IBET & LYONESE CLOTHS, 33 per cent. under former  
prices at 65tf  
KILBURN & BARTON'S.

**LONG SHAWLS**, at greatly reduced prices, at  
6051  
**KILBURN & BARTON'S.**

**DRUGS, MEDICINES, and PERFUMERY**, sold wholesale  
and retail by **J. W. COFRENE**, nearly opposite the Stan-  
ley  
House, Augusta.

**TOBENSACK'S PILLS and WORM SYRUP**, for sale by

**DRUGS AND MEDICINES.**  
**WILLIAM BLACK, Corner Water St. and**  
**Market Square,**  
*Wholesale and Retail Druggist and Apothecary,*  
 HAS just received a large and well selected stock of **Drugs,**

8 00  
8 00  
12 00  
20 00

mm.  
st the paper


payment in ad-  
is invariably

Maiz, Broom, Sponges, Ralaine, Citron, Currants, Mace, and  
pure Spices of all kinds, together with choice Family Gro-  
ceries. Also, the largest assortment of Patent Medicines in  
the city, which will be sold at the lowest ca-h prices.

Physicians' prescriptions carefully compounded of the best  
Medi-cines.

CALIFORNIA.

NEW YORK & CALIFORNIA STEAMSHIP  
 LINE, VIA NICARAGUA.  
 Through Tickets, including Isthmus Crossing. The  
 Shortest and Cheapest route for SAN FRANCISCO  
 Through in Advance of the Mail.


 THIS Line is composed of the following  
 First Class Steamships: Star of the West,

**Sierra Nevada, Pacific, Brother Jonathan, Cortes, and Uncle Sam.**

The days of sailing are the 12th and 27th of each month. When these dates fall on Sunday, the day of sailing will be the Monday following.

From San Juan del Norte, on the Atlantic, to San Juan del Sur, on the Pacific Ocean, passengers will be promptly conveyed over the NICARAGUA TRANSIT ROUTE, having been transported by Land Transports to the Port of San Juan del Norte.

a good Macdonaldized road.  
It is well known that this line is the shorter and safest,  
and by far the most comfortable and healthful.  
For passage apply only at the office of the agency of the  
Company, 81 Washington St., (Joy's Building) Boston.  
3m45 F. S. SAXTON, Agent.

**NOTICE.**  
THE Members of the North Kennebec Agricultural and  
Horticultural Society are hereby notified that their next  
Annual Meeting will be held on the Town Hall in Water-  
bury, Me., on

ten o'clock A. M., and they are desired to meet accordingly for the following purposes, viz:

- To choose officers of the Society for the ensuing year.
- To hear the Report of Trustees.
- To hear the Report of Treasurer.
- To hear Report of Com. on land and fixtures for Show Ground.
- To hear Report of Com. on Crops and Manures.

legally come before said meeting.  
W. DYER, Sec'y.  
Waterville, Jan. 1, 1855.

---

**Toys.**  
A N excellent variety of TOYS for children, for sale by  
J. E. FENNO.

---

**Drawing. Painting. Book-Keeping. and**

Linen Goods.  
 and House-  
 hold goods before  
 4 CO.,  
 Water St.  
 40

I received and  
 market prices,  
 B. BROOKS.

**PENMANSHIP!**  
 INSTRUCTION given in the above Branches by the sub-  
 scriber every Wednesday from 3 to 4 o'clock P. M.  
**EVENING CLASSES** commences in September and con-  
 tinues until May.  
 Cards marked, Drawings, Drafts, Copying, &c. executed  
 on reasonable terms, S. BROWN,  
 Room in North's Block, entrance south of the Post Office.

---

**J. DINSMORE & SON,**  
 DEALERS IN

per yard, at  
HUTCHESON'S.

---

in COLLARS,  
MUSICAL DEPOT, SKOWHEGAN. \$1

65 HHDS. SWEET CUBA MOLASSES, of extra quality;  
also, Tierces and Barrel do, for sale by  
HEDGE & BARTLETT, No. Market Square.  
Augusta, Oct. 9.

**Trimmings to match, which they will sell very cheap. \$601**

**DENTISTRY!**

**THE** undersigned, having opened an office at the corner of Main and Appleton Streets, Waterville, is prepared to execute all orders from those in need of Dental Services.

**Office hours from 9 to 12 A. M. and 2 to 5 P. M.**

**G. T. WATERS, D. D.**

December 1, 1884. **6m50**

**DR. NICHOLS' COUGH MIXTURE** is the

Crushed, Pow-  
dered, Crushed Co-  
do., for Sale by  
Baker Street. 42

**BARTLETT.** 43

---

**PLAID CASHMERE!!**

**B**EAUTIFUL Styles Plaid Cashmeres, just opened at  
1 POTTER & BARTLETT'S.

---

**1855.**

**A**LMANAC for 1855, given away at the Apothecary store,  
and Karnehan, bridge, by J. & MANLEY.

**Care for Deafness.**  
**COOPER'S COMPOUND ETHERAL OIL**, celebrated for curing Deafness, Pains and discharges from the ear. Also those unpleasant noises like the falling of water, buzzing of insects, whistling, etc. Physicians and Surgeons having fully tested this oil, do not fail to recommend its use.  
**J. S. MANLEY,**  
 West end Kentucky Bridge.

ought find this  
s, Editor of  
s, where the  
HANDLER.  
30c/

**P**UTNAM'S MAGAZINE, for January, 1865, for sale by  
1 EDWARD FENNO.

**It Marvel.**

**F**UDGE DOINGS, by It Marvel, for sale by  
1 EDWARD FENNO.

*[Faint, illegible handwritten notes]*



**FRENCH FAREWELL TO ALMA.**

**The Story-Teller.**  
From Chambers' Edinburgh Journal.

From Chambers' Edinburgh Journal

The career of the line-of-battle ship, from

anything in the shape of glory or of prize money. Awfully did he grumble, but of course it was necessary to obey. It was whispered at the time that he owed his selection for this service to the circumstance, that, a few months previously, he had received as a midshipman's reward a nobleman who not unnaturally was

crystal decanters of sherry—a glass of which  
 was partly offered him by a young hero  
 twelve or thirteen summers—his indignation  
 most choked him. Poor old commodore!

Paid off and dismantled, the Tremendous anchor  
 had a couple of years' quiet repose, and then  
 was recommissioned, and kept on the ho-

[Rockland Gazette.

"TOMMY, my son, how many weeks belong the year?" "Forty-six, sir." "Why, Tommy, how do you make that out?" "The other six are Lent." "Mother, put this boy to bed; he is getting too far ad."

Blessed childhood! the pupil and yet the teacher; half infant, half sage, and whole angel! what a desert were earth without thee!

[Fanny Fern's Ruth Hall.]

---

praised, something green, something fair to the sight, and grateful to the heart, will yet twine around and grow out of the seams and cracks of the desolate temple of the human heart.

Published.  
*Embracing North and South America. By*

giving a good and convenient market for its products.  
 of sale, \$2000—payment made easy to the purchaser  
 to the subscriber on the premises. REUBEN P.  
 Readfield, Oct. 2, 1864.

**SHAWLS! SHAWLS!**—300 Long Shawls at \$  
 by 41 W. JOSH

**Stereoscope Likenesses are executed in  
the Highest Style of the Art at**

Agents  
 Apply  
 ARD.  
 Small  
 for sale  
 & CO.

SEVEN BOSTON, Mass.  
 Lyman Boston, West Peru.  
 R. Gilmore, So. Newburgh.  
 Jos. B. Hall, Presque Isle.  
 A. T. Moores, Arcostool.  
 All letters on business connected with the office,  
 be addressed to the Publisher, ROSSSELL EATON, &  
 Maine.

1

more  
tion.  
Mr  
State,  
and w  
hitho